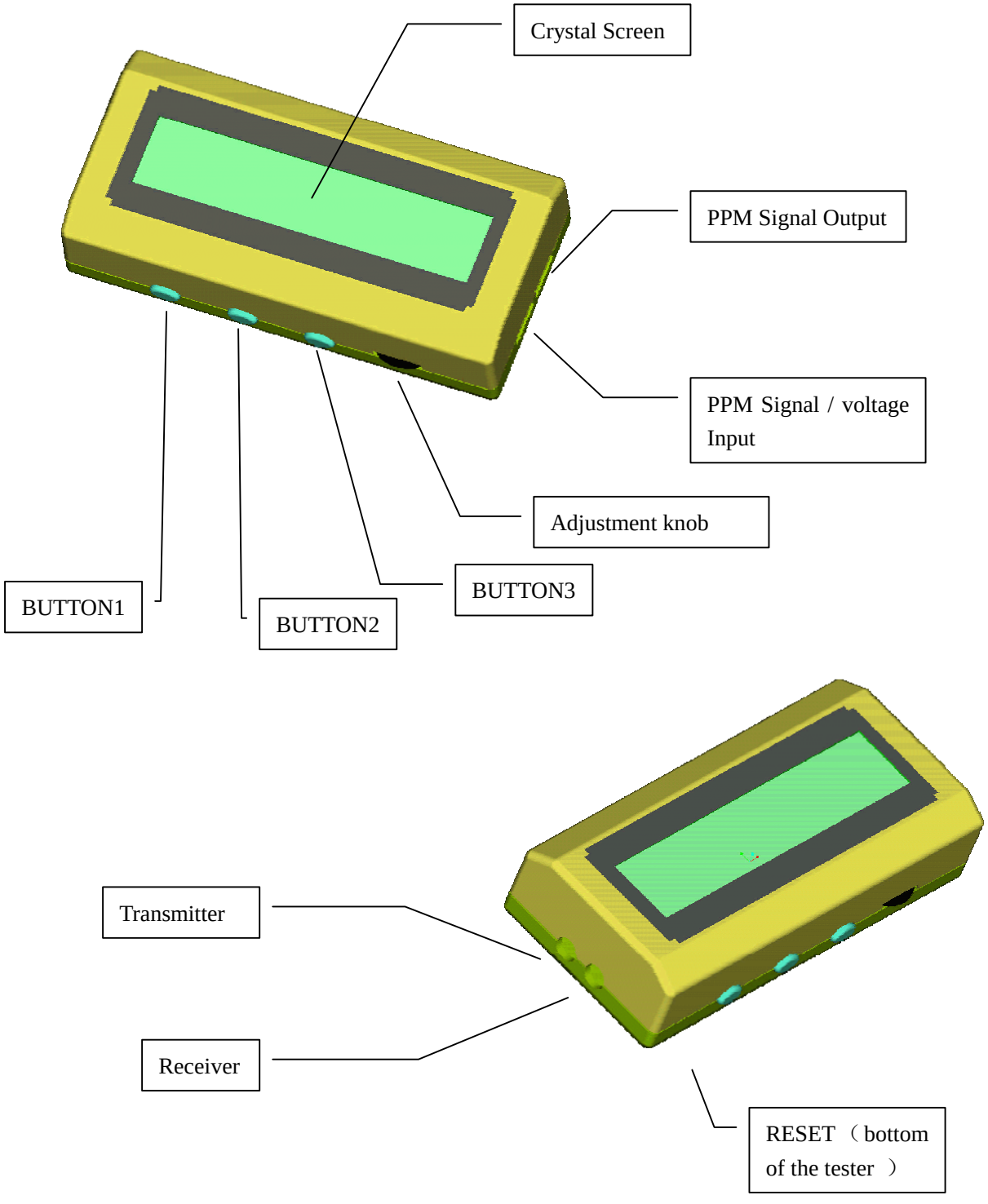
USER MANUAL FOR
FEIGAO MULTIFUNCTION R/C TESTER

Functional indication:



Operation Instruction:

1、 Power ON:

Press BUTTON1, when the screen shows **FEIGAO MODEL CO. R/C TESTER V1.50**, release the button. R/C tester power on. (**provide 5V power source from INPUT port to charge the battery if the screen not show any information, or contact your dealer for assistance**)

2、 Power OFF:

In any other status except servo test model，press BUTTON3 and hold for about 3 seconds. Tester will be turned off; If there is no any operation and no signal input or button press to the tester, the tester will turn off automatically after 2 minutes.

3、 Servo Test Mode: for simulate servo/digital servo

In any status, press BUTTON2, you can switch to Receiver Signal/Servo Test Mode.

Under receiver signal/servo test selection, press BUTTON2 and you'll have different combination for pulse/cycle for different test purpose. Please see following table:

Signal Combination	Signal Range (Pulse range can be adjustable)	Test Servo Samples
Pulse0:	Shows 0.000ms when no signal input	Receiver signal test model,，input signal from INPUT port；
Cycle0:	Shows 0.000ms when no signal input	
Pulse1:	1.000ms~2.000ms	Servo test model, adjust pulse from adjustment knob to test servo;
Cycle1:	18.000ms	
Pulse2:	1.000ms~2.000ms auto adjustment	Servo auto test： pulse change automatically from 1.000ms~2.000ms， phase variety period can be set 0.5~10ms by adjustment knob；
Cycle2:	18.000ms	
Pulse3:	0.100ms~1.100ms starting value adjustable	Self-defined model: you can define starting value for Pulse & Cycle. After finish setup, you can manually adjust pulse from adjustment knob to test servo;
Cycle3:	3.000ms~25.000ms adjustable	
Pulse4:	Pulse3 set value	Servo auto test: phase variety period can be setup 0.5~10ms by adjustment knob;
Cycle4:	Cycle3 set value	

1. Input power from INPUT side, Connect servo to the OUTPUT port before you test servo.

WARNING: SELECT WRONG SERVO TEST SIGNAL MAY PERMANENT DAMAGE SERVO.

2. when you choose phase3/pulse3 self-define model ,

a. Press [BUTTON3] and hold till Phase3 start to flash, now you enter “Pulse” start value adjust model; You may press [BUTTON1] to increase, or press [BUTTON3] to decrease “Pulse” value: Single press will have 1us increase/decrease; Press and hold button, Pulse will have 0.1ms increase/decrease, “Pulse” start value range is 0.1ms~1.1ms;

b. After finish “phase3”, press [BUTTON2], then “cycle3” start to flash, now you enter “cycle” adjust model; You may press [BUTTON1] to increase, or press [BUTTON3] to decrease “Pulse” value: Single press will have 1us increase/decrease; Press and hold button, Pulse will have 0.1ms increase/decrease(if you keep hold it, then the cycle value will have 1ms increase/decrease), “cycle” value range is 3ms~25ms;

c. After finish “cycle3”, press BUTTON2 and now, you finish phase3/cycle3 setup;

d. In phase2/cycle2, phase4/cycle4 auto test model, press BUTTON1 to start test. During test, you can change “phase” duration from 0.5ms to 10ms by adjustment knob, press BUTTON3 to pause test, if

now you:

- continue to press BUTTON3, “phase” value will resume to the setup value.
- Press BUTTON1 to continue testing.
- Press BUTTON2, it will stop testing and jump to next pulse/cycle combination.

You may repeat process a~c if you want to re-setup the Pulse/Cycle parameter.

4、 Tachometer function:

Not in auto test status（means not at phase2/cycle2, phase4/cycle4）, press [BUTTON1] to enter rotation speed test，screen shows blade/rotation speed. If also display “TEST”，means it on testing status. You can change blade number by press BUTTON3; Press [BUTTON1] again，TEST disappear and test stop. Screen shows the rotation speed and blade information.

5、 Blade select and Input voltage test Mode:

In any other state except servo test model，Press BUTTON3 and you can choose blade number. Blade number can select from 1 to 6. When blade number reach 6 and Press BUTTON3 again. Enter voltage test function. When voltage input from INPUT port. Screen shows voltage value.

Press BUTTON3 again, the screen shows internal Lipo battery voltage.

If you are in rotation speed test status, you can’t enter voltage test function until you stop test speed test.

Technical specifications

Power Source:

Embedded 3.7V/180mA Lipo battery．Charge automatically when receiver signal or 5-30V power connect to INPUT port. Recommended charge voltage is 5V.

Voltage Test Range:

0~30V, precision 0.05V. When internal battery test, precision is 0.005V

Receiver Signal test Precision：
Pulse 1us／Cycle1us

Tachometer range：
10~99999, Precision: 0.05%, test distance range 5cm-15cm.

Weight: 64g,

Size: 82mm*40mm*20mm

Remarks: